

DR MKK ARYA MODEL SCHOOL
SYLLABUS (2018 – 19)
CLASS – V
SUBJECT – MATHEMATICS

Syllabus for April to September (First Term)

Chapters:

1. Recapitulation
2. Numbers and Number Names
3. Addition and Subtraction
4. Multiplication and Division
5. Factors and Multiples
6. Common Fractions
7. Decimals
8. Money
16. Patterns

APRIL:

1st week (2nd April to 7th April) : Basic Concepts

2nd week (9th April to 14th April) : **Chapter – 1 “Recapitulation”** : - Prime Numbers, forming Largest and Smallest Numbers, Patterns, Roman Numerals

3rd week (16th April to 21st April) : **Chapter – 2 “Numbers and Number Names”**:- Patterns in Numbers, Representation of Numbers on Spike Abacus, Reading of Numbers, Place Value

4th week (23rd April to 30th April) : Expanded Forms, Order Relation, Formation of Greatest and Smallest Numbers, International System of writing Numbers in words, Roman Numerals

MAY:

1st week (1st May to 5th May) : **Chapter – 3 “Addition and Subtraction”** : - Addition, Word problems on Addition,

2nd week (7th May to 12th May) : Subtraction, Word problems on Subtraction, Estimating the sum

3rd week (14th May to 19th May) : Estimating the difference, **Chapter – 4 “Multiplication and Division”** :- Multiplication, Properties of Multiplication

4th week (21st May to 26th May) : Word Problems on Multiplication, Division, Word Problems

5th week (28th May to 31st May) : Word problems on Four Fundamental Operations, Estimating the Product and the Quotient

JULY:

1st week (2nd July to 7th July) : **Chapter – 5 “ Factors and Multiples”** : - Factors, Multiples, Rules of Divisibility, Prime Numbers, Composite Numbers, Prime Factorisation, Common Factors

2nd week (9th July to 14th July) :Highest Common Factor, Least Common Multiple, Applications of HCF and LCM

3rd week (16th July to 21st July) : **Chapter – 6 “ Common Fractions”** :- Fraction and its types, Comparison of unit Fractions, Reducing Fraction in its Lowest Terms, Addition and Subtraction of Fractions

4th week (23rd July to 28th July) : Degree of Closeness of a Fraction, Multiplication of Fractions by Whole Numbers, Division of Fractions by Natural Numbers

AUGUST:

1st week (30th July to 4th August) : **Chapter – 7 “Decimals”** :- Decimal Numbers, Whole Numbers and Decimal Parts Combined, Expanded Notation for Decimals, Comparison of Decimals, Comparison of Decimals

2nd week (6th August to 11th August) : Equivalent Decimals, Like and Unlike Decimals, Conversion of Fractions into Decimals, Addition and Subtraction of Decimals

3rd week (13th August to 18th August) : Multiplication and Division of Decimals,

Chapter – 8 “ Money “ : - Conversion of Paise into Rupees and Vice Versa, Addition of Money

4th week (20th May to 25th May) : Subtraction of Money, Multiplication and Division of Money

5th week (27th May to 31st may) : **Chapter – 16 “Patterns”** :- Patterns in Square Numbers, Properties of Square Numbers, Triangular Numbers, Pascal’s Triangle, Border Strips

SEPTEMBER: Revision and Mid Term Exam

ACTIVITIES:

- Activity based on Numeration
- Activity based on Factors and Multiples
- Activity based on Fractions
- Activity based on Patterns

Syllabus for October to January (Second Term)

Chapters:

9. Measurement of Length
10. Measurement of Weight (Mass)
11. Measurement of Capacity
12. Measurement of Time
13. Geometry

- 14. Perimeter, Area and Volume
- 15. Perspective View and Net of a 3-D Object
- 17. Data Handling

OCTOBER:

1st week (1st Oct to 6th Oct) : **Chapter – 9 “ Measurement of Length”** :- Conversion of Smaller units into Bigger units, Conversion of Bigger units into Smaller units, Addition of Length Measures

2nd week (8th Oct to 13th Oct) : Subtraction of Length measures, Multiplication and Division of Length measures

3rd week (15th Oct to 20th Oct) : **Chapter – 10 “Measurement of Weight (Mass)”** :- Conversion of Grams into Kilograms, Conversion of Kilograms into Grams, Addition of Weight measures

4th week (22nd Oct to 27th Oct) : Subtraction of Weight measures, Multiplication and Division of Weight measures

NOVEMBER:

1st week (29th Oct to 3rd Nov) : **Chapter – 11 “Measurement of Capacity”** : Conversion of Millilitres into Litres and Vice versa, Addition and Subtraction of Capacity Measures

2nd week (5th Nov to 10th Nov) : Multiplication and Division of Capacity Measures

3rd week (12th Nov to 17th Nov) : **Chapter – 12 “ Measurement of Time”** :- Conversion of Higher units into Lower units and vice versa

4th week (19th Nov to 24th Nov) : Addition of Measures of Time, Subtraction of Time Measures, 24- Hour clock time

5th week (26th Nov to 1st Dec) : Calculation of Duration of an activity, **Chapter – 13 “ Geometry”** : - Basic concepts -Point, Line Segment, Line, Ray, Types of Lines

DECEMBER:

1st week (3rd Dec to 8th Dec) : Angles , Interior and Exterior of an Angle, Types of Angles, Parallel Lines, Perpendicular Lines, Symmetry in 2-D and 3-D shapes

2nd week (10th Dec to 15th Dec) : Reflection of 2-D shape, **Chapter- 14 “Perimeter , Area and Volume”** :- Perimeter of Rectangle and Square

3rd week (17th Dec to 22nd Dec) : Area of Rectangle and Square

4th week (24th Dec to 29th Dec) : Volume of cube and cuboid, **Chapter – 15 “ Perspective View and Net of a 3-D object”** : - Perspective of a cube, Nets of Solids

JANUARY:

1st and 2nd week : Winter Break

3rd week (14th Jan to 19th Jan) : **Chapter- 17 “ Data Handling”** : - Two – Dimensional data, Bar Graphs, Pie Chart

4th and 5th week : Revision

FEBRUARY : Final Exams

ACTIVITIES:

- Activity based on Time
- Activity based on Perimeter and Area
- Activity based on Angles
- Activity based on representation of data